

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended)     ~~A Process-~~process for the production of monolithic porous mouldings which completely fill their gelling mould, ~~characterised by the following process steps comprising:~~
  - a) provision of a gelling mould;
  - b) activation of the gelling mould by surface etching, increasing the surface area and/or chemical modification;
  - c) filling of the gelling mould with monomer sol;
  - d) ~~polymerisation~~polymerization of the monomer sol and ageing of the resultant gel for the formation of pores, whereby the monolithic porous molding produced has an internal diameter of 0.5-50 mm.
2. (Currently Amended)     ~~Process-~~The process according to Claim 1, ~~characterised in that wherein the~~ gelling mould is made from glass, glass-coated stainless steel or fused silica ~~is provided in step a).~~
3. (Currently Amended)     ~~Process-~~The process according to Claim 1 ~~or 2, characterised in that the~~ wherein activation in ~~step b)~~ is carried out by increasing the inside surface area of the gelling mould by treating the inside surface with alkoxysilanes and/or organoalkoxysilanes or slurries of particles.
4. (Currently Amended)     ~~Process-~~The process according to claim 1, ~~characterised in that the~~ wherein activation in ~~step b)~~ is carried out by chemical modification of the inside surface of the gelling mould by treating the surface with bifunctional reagents.
5. (Currently Amended)     Process according to claim 1, ~~characterised in that~~ wherein a sol-gel process is used for the production of the monolithic porous mouldings.

6. (Currently Amended) ~~Process~~The process according to claim 1, characterised in ~~that wherein~~ a monomer sol which exhibits low shrinkage rates through the addition of particles, ~~fibres~~fibers and/or use of organoalkoxysilanes is used in ~~step c~~.

7. (Currently Amended) ~~Monolithic~~A monolithic porous mouldings which ~~have~~has been ~~polymerised~~polymerized into ~~their~~a gelling mould, obtainable by the process ~~corresponding to~~of claim 1.

8. (Currently Amended) ~~Use of the mouldings according to Claim 7 for the~~A chromatographic separation of at least two substances, comprising subjecting a mixture of said at least two substances to a molding according to claim 7.